

Abstract

A rotation angle detector includes a rotor, first and second detecting elements which rotate according to a rotation of the rotor, first and second detecting units for detecting rotations of the first and second detecting elements, respectively, and a control unit for detecting a rotation angle of the rotor based on a first signal when a difference between the first and second signals output from the first and second detecting units ranges within a predetermined range. The rotation angle detector has a simple structure and detects the rotation angle of the rotor accurately